

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.


[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

 Search: ☒ The ACM Digital Library ☐ The Guide



THE ACM DIGITAL LIBRARY


[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

Published before July 2001

Terms used network flow idenification

Found 572 of 113,113

Sort results by

[Save results to a Binder](#)
Try an [Advanced Search](#)

Display results

[Search Tips](#)
Try this search in [The ACM Guide](#)
☐ Open results in a new window

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

Best 200 shown

Relevance scale ☐ ☐ ☐ ☐ ☐

# 1 [Characterizations of k-terminal flow networks and computing network flows in partial k-trees](#)

Torben Hagerup, Jyrki Katajainen, Naomi Nishimura, Prabhakar Ragde

January 1995 **Proceedings of the sixth annual ACM-SIAM symposium on Discrete algorithms**Full text available: [pdf\(897.25 KB\)](#) Additional Information: [full citation](#), [index terms](#)

# 2 ["The quickest transshipment problem"](#)

Bruce Hoppe, Éva Tardos

January 1995 **Proceedings of the sixth annual ACM-SIAM symposium on Discrete algorithms**Full text available: [pdf\(1.24 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

# 3 [Scheduling data transfers in a network and the set scheduling problem](#)

Ashish Goel, Monika R. Henzinger, Serge Plotkin, Eva Tardos

May 1999 **Proceedings of the thirty-first annual ACM symposium on Theory of computing**Full text available: [pdf\(808.96 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

# 4 [Data networks as cascades: investigating the multifractal nature of Internet WAN traffic](#)

A. Feldmann, A. C. Gilbert, W. Willinger

October 1998 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '98 conference on Applications, technologies, architectures, and protocols for computer communication**, Volume 28 Issue 4Full text available: [pdf\(2.19 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


In apparent contrast to the well-documented self-similar (i.e., monofractal) scaling behavior of measured LAN traffic, recent studies have suggested that measured TCP/IP and ATM WAN traffic exhibits more complex scaling behavior, consistent with multifractals. To bring multifractals into the realm of networking, this paper provides a simple construction based on cascades (also known as multiplicative processes) that is motivated by the protocol

hierarchy of IP data networks. The cascade framewor ...

## 5 Resource aggregation for fault tolerance in integrated services networks

Constantinos Dovrolis, Parameswaran Ramanathan

April 1998 **ACM SIGCOMM Computer Communication Review**, Volume 28 Issue 2

Full text available:  pdf(1.25 MB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

For several real-time applications it is critical that the failure of a network component does not lead to unexpected termination or long disruption of service. In this paper, we propose a scheme called RAFT (Resource Aggregation for Fault Tolerance) that guarantees recovery in a timely and resource-efficient manner. RAFT is presented in the framework of the Reliable Back-bone (RBone), a virtual network layered on top of an integrated services network. Applications can request fault tolerance ag ...

## 6 Network traffic tracking systems: folly in the large?

Thomas E. Daniels, Eugene H. Spafford


February 2001 **Proceedings of the 2000 workshop on New security paradigms**

Full text available:  pdf(517.86 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

## 7 Virtual-channel flow control

William J. Dally

May 1990 **ACM SIGARCH Computer Architecture News , Proceedings of the 17th annual international symposium on Computer Architecture**, Volume 18 Issue 3

Full text available:  pdf(860.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Network throughput can be increased by dividing the buffer storage associated with each network channel into several virtual channels [DalSei]. Each physical channel is associated with several small queues, virtual channels, rather than a single deep queue. The virtual channels associated with one physical channel are allocated independently but compete with each other for physical bandwidth. Virtual channels decouple buffer resources from transmission resources. This decoupling allows acti ...

## 8 Reconsidering fragmentation and reassembly

Girish P. Chandranmenon, George Varghese


June 1998 **Proceedings of the seventeenth annual ACM symposium on Principles of distributed computing**

Full text available:  pdf(1.24 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

## 9 Fair scheduling in wireless packet networks

Songwu Lu, Vaduvur Bharghavan, Rayadurgam Srikant

October 1997 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '97 conference on Applications, technologies, architectures, and protocols for computer communication**, Volume 27 Issue 4


Full text available:  pdf(2.17 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Fair scheduling of delay and rate-sensitive packet flows over a wireless channel is not addressed effectively by most contemporary wireline fair scheduling algorithms because of two unique characteristics of wireless media: (a) bursty channel errors, and (b) location-dependent channel capacity and errors. Besides, in packet cellular networks, the base station typically performs the task of packet scheduling for both downlink and uplink flows in a cell; however a base station has only a limited k ...

### 10 Data management in Electronic Funds Transfer Systems

Hans W. Mandt

August 1978 **Proceedings of the first SIGMINI symposium on Small systems**

Full text available:  pdf(424.46 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Although Electronic Funds Transfer Systems (EFTS) encompass a large group of financial transaction systems including funds transfers between major banks and transfers among the Federal Reserve Banks over their private network (FEDWIRE), the scope of this paper will be limited to the major application of EFT systems which utilize mini and microcomputers: networks of automatic banking transaction terminals.

### 11 Aspects of information flow in VLSI circuits

A Siegel

November 1986 **Proceedings of the eighteenth annual ACM symposium on Theory of computing**

Full text available:  pdf(1.05 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 12 Router plugins: a software architecture for next generation routers

Dan Decasper, Zubin Dittia, Guru Parulkar, Bernhard Plattner

October 1998 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '98 conference on Applications, technologies, architectures, and protocols for computer communication**, Volume 28 Issue 4

Full text available:  pdf(1.82 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Present day routers typically employ monolithic operating systems which are not easily upgradable and extensible. With the rapid rate of protocol development it is becoming increasingly important to dynamically upgrade router software in an incremental fashion. We have designed and implemented a high performance, modular, extended integrated services router software architecture in the NetBSD operating system kernel. This architecture allows code modules, called *plugins*, to be dynamically ...

**Keywords:** high performance integrated services routing, modular router architecture, router plugins

### 13 Hazard-non-increasing gate-level optimization algorithms

David S. Kung


November 1992 **Proceedings of the 1992 IEEE/ACM international conference on Computer-aided design**

Full text available:  pdf(441.23 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 14 Detecting shared congestion of flows via end-to-end measurement

Dan Rubenstein, Jim Kurose, Don Towsley

June 2000 **ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 2000 ACM SIGMETRICS international conference on Measurement and modeling of computer systems**, Volume 28 Issue 1

Full text available:  pdf(1.09 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


Current Internet congestion control protocols operate independently on a per-flow basis. Recent work has demonstrated that cooperative congestion control strategies between

flows can improve performance for a variety of applications, ranging from aggregated TCP transmissions to multiple-sender multicast applications. However, in order for this cooperation to be effective, one must first identify the flows that are congested at the same set of resources. In this paper, we present techniques ...

15 Just talk to me: a field study of expertise location

David W. McDonald, Mark S. Ackerman

November 1998 **Proceedings of the 1998 ACM conference on Computer supported cooperative work**

Full text available:  [pdf\(1.38 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** CSCW, computer mediated communications, computer-supported cooperative work, expert locators, expertise finding, expertise location, expertise networks, information seeking, knowledge networks

16 The network Unix system

Gregory L. Chesson

November 1975 **Proceedings of the fifth ACM symposium on Operating systems principles**

Full text available:  [pdf\(784.98 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


A Network Interface Program (NIP) is that part of an operating system which interfaces with similar entities in a network. Normally, the NIP is a collection of software routines which implement interprocess communication, interhost protocols, data flow controls, and other necessary executive functions. This paper discusses the organization of the NIP currently being used with the Unix operating system on the ARPA network. The Network Unix system is noteworthy because of the natural way that ...

**Keywords:** ARPANET, Operating system, Protocol, Unix

17 VMTP: a transport protocol for the next generation of communication systems

D Cheriton

August 1986 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM conference on Communications architectures & protocols, Volume 16 Issue 3**

Full text available:  [pdf\(1.40 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


The Versatile Message Transaction Protocol (VMTP) is a transport-level protocol designed to support remote procedure call, multicast and real-time communication. The protocol is optimized for efficient page-level network file access in particular. In this paper, we describe the significant aspects of the VMTP design, including the VMTP treatment of sessions, addressing, duplicate suppression, flow control and retransmissions plus its provision for multicast. The VMTP design refle ...

18 Application and evaluation of large deviation techniques for traffic engineering in broadband networks

Costas Courcoubetis, Vasilios A. Siris, George D. Stamoulis

June 1998 **ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 1998 ACM SIGMETRICS joint international conference on Measurement and modeling of computer systems, Volume 26 Issue 1**

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index](#)

Full text available:  [pdf\(1.41 MB\)](#)[terms](#)


Accurate yet simple methods for traffic engineering are important for efficient dimensioning of broadband networks. The goal of this paper is to apply and evaluate large deviation techniques for traffic engineering. In particular, we employ the recently developed theory of *effective bandwidths*, where the effective bandwidth depends not only on the statistical characteristics of the traffic stream, but also on a link's operating point through two parameters, the *space* and *time*

**Keywords:** ATM, broadband networks, effective bandwidths, large deviations, traffic engineering

## 19 Transport and control issues in multimedia wireless networks

Antonio Iera, Salvatore Marano, Antonella Molinaro

August 1996 **Wireless Networks**, Volume 2 Issue 3


Full text available:  [pdf\(348.68 KB\)](#) [txt\(59.25 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

It is not an easy task in the UMTS environment to effectively design the transport and the management of traffic belonging to multimedia teleservices among those defined by ITUR recommendations, due to the hard communication requirements which this kind of application can call for. In this paper the results of an overall research work, dealing with an effective management of "multimedia" and "multi-requirement" services in enhanced third-generation mobile radio systems ...

## 20 Computer Communication Networks: Approaches, Objectives, and Performance Considerations

Stephen R. Kimbleton, G. Michael Schneider

September 1975 **ACM Computing Surveys (CSUR)**, Volume 7 Issue 3

Full text available:  [pdf\(3.99 MB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2004 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)



US Patent &amp; Trademark Office

[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

 Search: ☒ The ACM Digital Library ☐ The Guide

THE ACM DIGITAL LIBRARY

[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

## Detecting shared congestion of flows via end-to-end measurement

Full text Pdf (1.09 MB)

**Source** [Joint International Conference on Measurement and Modeling of Computer Systems](#) [archive](#)  
**Proceedings of the 2000 ACM SIGMETRICS international conference on Measurement and modeling of computer systems** [table of contents](#)  
 Santa Clara, California, United States  
 Pages: 145 - 155  
 Year of Publication: 2000  
 ISBN: 1-58113-194-1  
 Also published in ...

**Authors** [Dan Rubenstein](#) Department of Computer Science, University of Massachusetts at Amherst  
[Jim Kurose](#) Department of Computer Science, University of Massachusetts at Amherst  
[Don Towsley](#) Department of Computer Science, University of Massachusetts at Amherst

**Sponsor** SIGMETRICS: ACM Special Interest Group on Measurement and Evaluation

**Publisher** ACM Press New York, NY, USA

**Additional Information:** [abstract](#) [references](#) [citing](#) [index terms](#) [collaborative colleagues](#) [peer to peer](#)

**Tools and Actions:** [Discussions](#) [Find similar Articles](#) [Review this Article](#)  
[Save this Article to a Binder](#) [Display in BibTex Format](#)

**DOI Bookmark:** Use this link to bookmark this Article: <http://doi.acm.org/10.1145/339331.339410>  
[What is a DOI?](#)

### ↑ ABSTRACT

Current Internet congestion control protocols operate independently on a per-flow basis. Recent work has demonstrated that cooperative congestion control strategies between flows can improve performance for a variety of applications, ranging from aggregated TCP transmissions to multiple-sender multicast applications. However, in order for this cooperation to be effective, one must first identify the flows that are congested at the same set of resources. In this paper, we present techniques based on loss or delay observations at end-hosts to infer whether or not two flows experiencing congestion are congested at the same network resources. We validate these techniques via queueing analysis, simulation, and experimentation within the Internet.

### ↑ REFERENCES

Note: OCR errors may be found in this Reference List extracted from the full text article. ACM has opted to expose the complete List rather than only correct and linked references.

- 1 [Hari Balakrishnan , Hariharan S. Rahul , Srinivasan Seshan, An integrated congestion management architecture for Internet hosts, Proceedings of the conference on Applications, technologies, architectures, and protocols for computer communication, p.175-187, August 30-September 03, 1999, Cambridge, Massachusetts, United States](#)

- 2 V. Padmanabhan. Coordinated Congestion Management and Bandwidth Sharing for Heterogeneous Data Streams. In Proceedings of NOSSDAV'99, Basking Ridge, NJ, June 1999.
- 3 L. Gautier, C. Diot, and J. Kurose. End-to-end Transmission Control Mechanisms for Multiparty Interactive Applications in the Internet. In Proceedings of IEEE INFOCOM'99, New York, NY, March 1999.
- 4 J. Byers, M. Luby, and M. Mitzenmacher. Accessing Multiple Mirror Sites in Parallel: Using Tornado Codes to Speed Up Downloads. In Proceedings of IEEE INFOCOM'99, New York, NY, March 1999.
- 5 D. Rubenstein, J. Kurose, D. Towsley, Detecting Shared Congestion of Flows Via End-to-End Measurement, University of Massachusetts, Amherst, MA, 1999
- 6 S. Seshan, M. Stemm, and R. Katz. SPAND: Shared Passive Network Performance Discovery. In Proceedings of the USITS'97, Monterey, CA, December 1997.
- 7 Stefan Savage, Neal Cardwell, Tom Anderson, The Case for Informed Transport Protocols, Proceedings of the The Seventh Workshop on Hot Topics in Operating Systems, p.58, March 28-30, 1999
- 8 V. Padmanabhan. Optimizing Data Dissemination and Transport in the Internet, September 1999. slides presented at the BU/NSF Workshop on Internet Measurement, Instrumentation and Characterization.
- 9 D. Katabi, I. Ba.~i, and X. Yang. An Information Theoretic Approach for Shared Bottleneck Inference Based on End-to-end Measurements. Class project, MIT Laboratory for Computer Science, contact: dina@ai.mit.edu, 1999.
- 10 S. Ratxmsamy and S. McCanne. Inference of Multicast Routing Trees and Bottleneck Bandwidths using End-to-end Measurements. In Proceedings of IEEE INFOCOM'99, New York, NY, March 1999.
- 11 R. Caceres, N. Dutfield, j. Horowitz, and D. Towsley. Multicast-Based Inference of Network-Internal Characteristics: Accuracy of Packet Loss Estimation. Transactions on Information Theory, November 1999.
- 12 M. Yajnik, S.B. Moon, J. Kurose, and D. Towsley. Measurement and Modeling of the Temporal Dependence in Packet Loss. In Proceedings of IEEE INFOCOM'99, New York, NY, March 1999.
- 13 S. B. Moon, J. Kurose, P. Skelly, D. Towsley, Correlation of Packet Delay and Loss in the Internet TITLE2:, University of Massachusetts, Amherst, MA, 1998
- 14 S. Moon, P. Skelly, and D. Towsley. Estimation and Removal of Clock Skew from Network Delay Measurements. In Proceedings of IEEE INFOCOM'99, New York, NY, March 1999.
- 15 Vern Paxson, On calibrating measurements of packet transit times, Proceedings of the 1998 ACM SIGMETRICS joint international conference on Measurement and modeling of computer systems, p.11-21, June 22-26, 1998, Madison, Wisconsin, United States
- 16 G. Folland. Real Analysis: Modern Techniques and Their Applications. John Wiley and Sons, New York, NY, 1984.
- 17 S. Ross. Stochastic Processes. John Wiley and Sons, New York, NY, 1983.
- 18 S. McCanne and S. Floyd. ns-LBL Network Simulator, 1997. Obtain via <http://www-nrg.ee.lbnl.gov/ns/>.



## ↑ CITINGS 10

Vinay J. Ribeiro , Rudolf H. Riedi , Richard G. Baraniuk, Spatio-temporal available bandwidth estimation with STAB, ACM SIGMETRICS Performance Evaluation Review, v.32 n.1, June 2004

Leana Golubchik , John C. S. Lui, Multi-path streaming: is it worth the trouble?, ACM SIGMETRICS Performance Evaluation Review, v.30 n.3, December 2002

Wei Wei , Bing Wang , Don Towsley, Continuous-time hidden Markov models for network performance evaluation, Performance Evaluation, v.49 n.1-4, p.129-146, September 2002

Wei Wei , Bing Wang , Don Towsley , Jim Kurose, Model-based identification of dominant congested links, Proceedings of the 2003 ACM SIGCOMM conference on Internet measurement, October 27-29, 2003, Miami Beach, FL, USA

Hung-Yun Hsieh , Raghupathy Sivakumar, A transport layer approach for achieving aggregate bandwidths on multi-homed mobile hosts, Proceedings of the 8th annual international conference on Mobile computing and networking, September 23-28, 2002, Atlanta, Georgia, USA

L. Golubchik , J. C. S. Lui , T. F. Tung , A. L. H. Chow , W.-J. Lee , G. Franceschinis , C. Anglano, Multi-path continuous media streaming: what are the benefits?, Performance Evaluation, v.49 n.1-4, p.429-449, September 2002

Dan Rubenstein , Jim Kurose , Don Towsley, Detecting shared congestion of flows via end-to-end measurement, IEEE/ACM Transactions on Networking (TON), v.10 n.3, p.381-395, June 2002

Marcel-Cătălin Roșu , Daniela Roșu, An evaluation of TCP splice benefits in web proxy servers, Proceedings of the eleventh international conference on World Wide Web, May 07-11, 2002, Honolulu, Hawaii, USA

Mark Coates , Rui Castro , Robert Nowak , Manik Gadhiok , Ryan King , Yolanda Tsang, Maximum likelihood network topology identification from edge-based unicast measurements, ACM SIGMETRICS Performance Evaluation Review, v.30 n.1, June 2002

Erich M. Nahum , Marcel-Catalin Rosu , Srinivasan Seshan , Jussara Almeida, The effects of wide-area conditions on WWW server performance, ACM SIGMETRICS Performance Evaluation Review, v.29 n.1, p.257-267, June 2001

## ↑ INDEX TERMS

### Primary Classification:

C. Computer Systems Organization

↳ C.2 COMPUTER-COMMUNICATION NETWORKS

### Additional Classification:

C. Computer Systems Organization

↳ C.2 COMPUTER-COMMUNICATION NETWORKS

↳ C.2.5 Local and Wide-Area Networks

↳ **Subjects:** Internet (e.g., TCP/IP)

G. Mathematics of Computing

### ↪ **G.3 PROBABILITY AND STATISTICS**

↪ **Subjects:** Queueing theory

#### **I. Computing Methodologies**

### ↪ **I.6 SIMULATION AND MODELING**

#### **General Terms:**

Design, Experimentation, Management, Measurement, Performance, Theory, Verification

#### ↑ **Collaborative Colleagues:**

<u>Jim Kurose:</u>	<u>Michael K. Bradshaw</u> <u>Alexandre Brandwajn</u> <u>Brian DeCleene</u> <u>Christophe Diot</u> <u>Victor Firoiu</u> <u>Timur Friedman</u> <u>Lixin Gao</u> <u>Zihui Ge</u> <u>Yang Guo</u> <u>Gianluca Iannaccone</u>	<u>Sharad Jaiswal</u> <u>Ping Ji</u> <u>Sneha Kasera</u> <u>Sneha K. Kasera</u> <u>Sneha Kumar</u> <u>Kasera</u> <u>Rajeev Koodli</u> <u>Thomas F. La Porta</u> <u>Francesco Lo Presti</u> <u>Sue B. Moon</u> <u>Erich Nahum</u>	<u>Phillippe Nain</u> <u>Jitendra Padhye</u> <u>Francesco Lo Presti</u> <u>Professor Ramachandran</u> <u>Ramjee</u> <u>Dan Rubenstein</u> <u>Sambit Sahu</u> <u>James D. Salehi</u> <u>Subhabrata Sen</u> <u>Prashant Shenoy</u>	<u>Kyoungwon Suh</u> <u>Don Towsley</u> <u>Bing Wang</u> <u>Wei Wei</u> <u>David Yates</u> <u>Chun Zhang</u> <u>Shi-Li Zhang</u> <u>Zhi-Li Zhang</u>
<u>Dan Rubenstein:</u>	<u>Micah Adler</u> <u>Debra L. Cook</u> <u>Sneha Kasera</u> <u>Angelos D. Keromytis</u> <u>Jim Kurose</u> <u>Vishal Misra</u> <u>William G. Morein</u> <u>Sambit Sahu</u> <u>Angelos Stavrou</u> <u>Don Towsley</u>			
<u>Don Towsley:</u>	<u>François Baccelli</u> <u>Francois Baccelli</u> <u>Amit Bhargava</u> <u>Supratik Bhattacharyya</u> <u>Ernst Biersack</u> <u>Ernst W. Biersack</u> <u>Prabuddha Biswas</u> <u>Jean-Chrysostome Bolot</u> <u>Michael K. Bradshaw</u> <u>Tian Bu</u> <u>Werner Bux</u> <u>Xi-Ren Cao</u> <u>Shenze Chen</u> <u>Myungwhan Choi</u> <u>Alokdhhar N. Choudhary</u> <u>Yves Dallery</u>	<u>Wei-Bo Gong</u> <u>Weibo Gong</u> <u>Yu Gu</u> <u>Yang Guo</u> <u>Philip Heidelberger</u> <u>Michael G. Hluchyj</u> <u>C. V. Hollot</u> <u>Joe Horowitz</u> <u>Jiandong Huang</u> <u>Ren Hwang</u> <u>Ren-Hung Hwang</u> <u>Gianluca Iannaccone</u> <u>Don Iowsley</u> <u>Sharad Jaiswal</u> <u>Bao Jeng</u> <u>Bao-Chyuan</u>	<u>Zhen Liu</u> <u>Francesco Lo Presti</u> <u>John C. S. Lui</u> <u>William A. Massey</u> <u>Ravi Mirchandaney</u> <u>Vishal Misra</u> <u>Sue B. Moon</u> <u>Richard Muntz</u> <u>Richard R. Muntz</u> <u>Ramesh Nagarajan</u> <u>Erich Nahum</u> <u>Erich M. Nahum</u> <u>Phillippe Nain</u> <u>Randolph Nelson</u> <u>David M. Nicol</u> <u>Jörg Nonnenmacher</u> <u>Jitendra Padhye</u> <u>Jitendra Dattatraya Padhye</u> <u>S. S. Panwar</u>	<u>Harry Santoso</u> <u>Subhabrata Sen</u> <u>Nachum Shacham</u> <u>Perwez Shahabuddin</u> <u>Prashant Shenoy</u> <u>Rahul Simha</u> <u>Dinkar Sitaram</u> <u>Rajendran</u> <u>Sivasankaran</u> <u>Rajendran M. Sivasankaran</u> <u>Jack Stankovic</u> <u>John A. Stankovic</u> <u>John A. Stankovic</u> <u>Kyoungwon Suh</u> <u>Asser N. Tantawi</u> <u>Satish K. Tripathi</u> <u>Guy VanLeemput</u> <u>Guy Vanleemput</u> <u>Bing Wang</u>

<a href="#">Asit Dan</a>	<a href="#">Jeng</a>	<a href="#">Shivendra S. Panwar</a>	<a href="#">Wei Wei</a>
<a href="#">Brian DeCleene</a>	<a href="#">Ping Ji</a>	<a href="#">Sridhar Pingali</a>	<a href="#">Jack K. Wolf</a>
<a href="#">Jayanta K. Dey</a>	<a href="#">Mohan Kamath</a>	<a href="#">Francesco Lo Presti</a>	<a href="#">Ming Xiong</a>
<a href="#">Jayanata K. Dey-Sircar</a>	<a href="#">Sneha Kasera</a>	<a href="#">Spiridon Pulidas</a>	<a href="#">David Yates</a>
<a href="#">Christophe Diot</a>	<a href="#">Sneha K. Kasera</a>	<a href="#">Bhaskar Purimetla</a>	<a href="#">David J. Yates</a>
<a href="#">Flávio P. Duarte</a>	<a href="#">Sneha Kumar</a>	<a href="#">K. K. Ramakrishnan</a>	<a href="#">Qing Yu</a>
<a href="#">N. G. Duffield</a>	<a href="#">Kasera</a>	<a href="#">Krithi Ramamritham</a>	<a href="#">Shou Yu</a>
<a href="#">Nick Duffield</a>	<a href="#">Walter H. Kohler</a>	<a href="#">Ramachandran</a>	<a href="#">Chun Zhang</a>
<a href="#">Serge Fdida</a>	<a href="#">Rajeev Koodli</a>	<a href="#">Ramjee</a>	<a href="#">Honggang Zhang</a>
<a href="#">Daniel R.</a>	<a href="#">C. M. Krishna</a>	<a href="#">Jennifer Rexford</a>	<a href="#">Shi-Li Zhang</a>
<a href="#">Figueiredo</a>	<a href="#">James Kurose</a>	<a href="#">Arnold L. Rosenberg</a>	<a href="#">Zhi-Li Zhang</a>
<a href="#">Victor Firoiu</a>	<a href="#">James F. Kurose</a>	<a href="#">Dan Rubenstein</a>	<a href="#">Cliff Changchun Zou</a>
<a href="#">Sacha Fosse-Parisis</a>	<a href="#">Jim Kurose</a>	<a href="#">Daniel Stuart</a>	<a href="#">Edmundo de Souza e Silva</a>
<a href="#">Timur Friedman</a>	<a href="#">John C.S. Lui</a>	<a href="#">Rubenstein</a>	
<a href="#">Lixin Gao</a>	<a href="#">Thomas F. La</a>	<a href="#">Sambit Sahu</a>	
<a href="#">Michele Garetto</a>	<a href="#">Porta</a>	<a href="#">James D. Salehi</a>	
<a href="#">Zihui Ge</a>	<a href="#">Kyoo J Lee</a>		
<a href="#">Mahesh Girkar</a>	<a href="#">Kyoo Jeong Lee</a>		
	<a href="#">Benyuan Liu</a>		
	<a href="#">Yong Liu</a>		

#### ↑ Peer to Peer - Readers of this Article have also read:

- [Data structures for quadtree approximation and compression](#)  
**Communications of the ACM** 28, 9  
Hanan Samet
- [A hierarchical single-key-lock access control using the Chinese remainder theorem](#)  
**Proceedings of the 1992 ACM/SIGAPP Symposium on Applied computing**  
Kim S. Lee , Huizhu Lu , D. D. Fisher
- [3D representations for software visualization](#)  
**Proceedings of the 2003 ACM symposium on Software visualization**  
Andrian Marcus , Louis Feng , Jonathan I. Maletic
- [Probabilistic surfaces: point based primitives to show surface uncertainty](#)  
**Proceedings of the conference on Visualization '02**  
Gevorg Grigoryan , Penny Rheingans
- [Efficient simplification of point-sampled surfaces](#)  
**Proceedings of the conference on Visualization '02**  
Mark Pauly , Markus Gross , Leif P. Kobbelt

#### ↑ This Article has also been published in:

- [ACM SIGMETRICS Performance Evaluation Review](#)  
Volume 28 , Issue 1 (June 2000)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2004 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)